

Remarks

This case has been carefully considered in light of the Office Action dated June 13, 2006 wherein: the restriction requirement was made final; claim 11 was rejected under 35 USC 112, second paragraph, as being indefinite; claims 1 and 10 were rejected under 35 USC 102(b) on Beukema et al. U.S. Pat. No. 6,128,674; and claims 2, 9, 11 and 18 were rejected under 35 USC 103(a) on Beukema et al. Reconsideration is respectfully requested.

Claims 1 and 10 have been amended. Claims 2 and 11 have been cancelled. Claims 1, 9, 10 and 18 remain pending in this case.

Claim 1 has been amended to incorporate the limitations of canceled claim 2. Claim 10 has been amended to incorporate the limitations of canceled claim 11. No new matter has been added.

Claim 11 has been canceled, thus rendering moot the rejection under 35 USC 112.

Regarding the rejection of claims 1 and 10 under 35 USC 102, claims 1 and 10, respectively, have been amended to incorporate the limitations of cancelled claims 2 and 11, respectively, and thus recite “preloading data comprising a portion of said single message packet associated with some of the communication descriptors” while “others of said communication descriptors” are determined “during said preloading”.

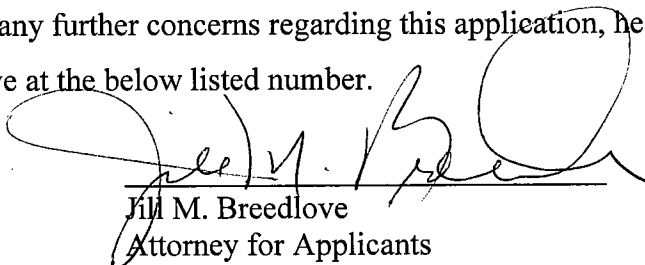
The Office Action states that Beukema does not teach preloading data. Claims 1 and 10, as amended, recite preloading data, as set forth hereinabove, and thus are believed to be patentably distinguishable over Beukema et al. under 35 USC 102.

Regarding the rejection under 35 USC 103 over Beukema, the applicants agree that parallel processing, in general, is known to speed up processing. In fact, all input/output adapters can be said to take advantage of carrying process in parallel because they operate in parallel with a host CPU. However, the applicants respectfully submit that “preloading data comprising a portion of said single message packet associated with some of the communication descriptors, while others of said communication descriptors are being determined during said preloading”, as recited in claim 1, as amended, and similarly in claim 10, as amended, is not rendered obvious over Beukema et al. In particular, input/output devices as taught by Beukema

et al. operate on data to be transmitted only after host processors had defined all of the descriptors for that data and made the adapter aware of them. This is distinct from the applicants' "preloading...while others of said communication descriptors are being determined during said preloading." That is, the applicants' system advantageously allows the adapter to collect data for transmission in advance of knowing where it will be transmitted, i.e., "preloading data comprising a portion of said single message packet associated with some of the communication descriptors, while others of said communication descriptors are being determined during said preloading", as recited in amended claims 10 and 11, which is distinct from the input/output devices of Beukema et al., as well as from typical input/output devices. The processing in Beukema et al., which operates on data to be transmitted only after host processors had defined all of the descriptors for that data and made the adapter aware of them, is thus distinct from the parallel processing recited by the applicants. Therefore, it is believed that Beukema et al. does not render obvious the applicants' method for transmitting data packets wherein the "assembling further comprising preloading data comprising a portion of said single message packet associated with some of the communication descriptors, while others of said communication descriptors are being determined during said preloading", as recited in amended claim 1, and similarly in the applicants' communication system as recited amended claim 10.

For the foregoing reasons, claims 1, 9, 10 and 18, particularly as amended, are believed to be patentable over Beukema et al. under 35 USC 103. Reconsideration and allowance of these claims are thus respectfully requested.

Should the Examiner have any further concerns regarding this application, he is invited to contact Applicants' representative at the below listed number.



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